CAMERON MIRHOSSAINI

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SUMMARY

Versatile Data Scientist with 2+ years of experience in quantitative modeling, experimentation and algorithms. Extensive experience in AI model development, hypothesis testing, and front/back-end software development for solving business and product problems.

EDUCATION

STANFORD UNIVERSITY (Stanford, CA) BS Mathematical and Computational Science, 2022 GPA 3.85
Graduated with Honors and Distinction; Bioinformatics track; Global Studies Minor
Jane Stanford Award, VPA Senior Award, Lambda Literary Award, Award of Excellence

EXPERIENCE

Funding Circle USA | **Data Scientist** (Full-time in Denver, CO) January 2023 - May 2024

- Developed and maintained large-scale software systems to **fulfill business-critical objectives**, leveraging **CI/CD practices**
- Applied AI/ML techniques using Python, PySpark, and scikit-learn to evaluate the impact of additional data on statistical power, resulting in significant cost savings by determining additional data procurement was unnecessary
- Developed, tested, and deployed a highly accurate ML model in Python, achieving 90% accuracy to forecast future trends
- Prototyped **iterative analysis pipelines** and automated the **ETL process** for credit bureau data, reducing processing time from 2 weeks to a few minutes while ensuring **data integrity and accuracy**
- Collaborated with cross-functional teams to design and implemented A/B tests to evaluate the impact of product changes
- **Built and communicated key insights** through clear reports and Tableau dashboards, presenting findings to non-technical stakeholders to **drive strategic decisions**

Johnson & Johnson | Biostatistician (Contract Remote) January 2022 - December 2022

- Built platform that allowed researchers to explore data and ML models in numerous data visualization formats using HTML, CSS, and Javascript for interactive environment, allowing for the additional publishing of a scientific paper
- Designed and evolved data infrastructure preprocessing for large-scale oral microbiome using Python, increasing speed and efficiency by 300% and reduced overhead.
- Designed, implemented, and deployed oral health indicator, democratizing oral health and decreasing cost of dental hygiene testing by 90%, complete with web-interface and Python back-end

PROJECTS

Nuda Solutions. 2024. Providing pro bono services to nonprofits and small businesses needing statistical analysis, data processing, and front-end web development

New York City **hobby.ly,** 2024. A social networking platform engineered to streamline connections around shared interests in New York City, empowering users to maintain meaningful relationships in a fast-paced urban environment

Curie Institute, Paris, France, **Predicting Hematopoietic Stem Cell (HSC) Differentiation,** 2019. Utilized a machine learning model in R to predict what cells HSCs would differentiate into, trained on 1000+ genes and narrowed to 10 important genes.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, Java, C++/C, Javascript, React, HTML/CSS, Linux
Tools: Git, Jenkins, Kubernetes, Docker, JIRA, PyTorch, TensorFlow, scikit-learn, Databricks, dbt, Snowflake, Tableau, Spark
Coursework: Programming Methodologies, Computer Organization & Systems, Design & Analysis of Algorithms, Computer Architecture, Assembly Language, Probability Theory, Statistical Inference, Regression Models, Linear Algebra & Matrix Theory, ML
Soft Skills: Collaboration, Leadership, Technical Writing, Creativity, Communication, Problem-Solving, Time-Management